

DDI- 01229x 87

15 JUL 1987

MEMORANDUM FOR: Director of Training and Education

VIA : Deputy Director for Intelligence
Chief, OSWR Administrative Staff

25X1 FROM : [redacted]
Director of Scientific and Weapons Research

25X1 SUBJECT : Approval for Full-time Training at the Massachusetts
Institute of Technology [redacted]

25X1 1. [redacted] requests approval for full-time training with salary
at the Massachusetts Institute of Technology. The training will allow him
to become a more versatile OSWR analyst by enhancing his understanding of
25X1 technical and political issues related to nuclear proliferation and nuclear
arms control. [redacted]

2. Although he has not yet received a formal calendar of courses for
each semester, he has discussed course selection with several professors at
MIT, including the Director of the Center for International Studies, and
expects to complete the following courses in the sixteen month program.
Moreover, as indicated in the attached letter, Dr. Miller, an MIT Senior
25X1 Research Scientist who will guide [redacted] in several independent study
courses and in his thesis, strongly supports this selection.

International Affairs

17.328 Science and Technology in International Affairs
17.460 Defense Politics
17.464 Theory and Politics of Arms Control
17.490 Soviet Defense Planning
17.420 Theories of International Relations
17.466 Seminar in Arms Control

Nuclear Engineering

Guided study with Dr. Marvin Miller on safeguarding
nuclear materials
Guided study with Dr. Marvin Miller on nuclear chemical
engineering
22.75 Radiation Effects on Reactor Structural Materials
22.112 Nuclear Physics for Engineers
22.211 Nuclear Reactor Physics

25X1
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25X1 **SUBJECT: Approval for Full-time Training at the Massachusetts Institute of Technology** [redacted]

Seismology

12.521 Elements of Seismology

Guided study with Prof. Jordan on seismological issues related to nuclear test detection

Aeronautics

16.005 Introduction to Aerospace Engineering

25X1 In addition, [redacted] intends to pursue a work-related thesis on the
safeguarding of nuclear materials. OTE requires that full-time external
25X1 training be approved on an annual basis and an evaluation be done after the
first year before additional training. [redacted]

25X1 3. [redacted] has chosen the Massachusetts Institute of Technology as
the training facility because of its wide range of technical expertise and
large number of faculty members with governmental nonproliferation and arms
control-related experience. For example, Dr. Miller has worked at the
State Department in the area of nuclear proliferation and has had contact
with various members of the Intelligence Community. The program that Mr.
25X1 [redacted] intends to pursue cannot be arranged as completely at another
25X1 university. [redacted]
25X1

5. The Nuclear Energy Division, OSWR, and the Agency in general, will benefit from the work of an analyst with the education outlined above. Nuclear proliferation and arms control intelligence are multi-faceted disciplines, requiring understanding in many technical and non-technical fields. The Nuclear Energy Division will gain an analyst with an in depth technical understanding of nuclear technology, as well as a basic engineering understanding of delivery systems and nuclear test detection. Moreover, OSWR and the Agency in general will benefit from an analyst who can make technical judgments based on both current information and the
25X1 historical political context of weapons systems. [redacted]

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6. requests a waiver of requirement that applicants for full-time training serve a minimum of 3 years with the Agency prior to sponsorship. OSWR endorses this request because has shown himself to be a very capable and dedicated analyst, receiving an overall 6 on his last PAR. We are confident that he will continue to be an asset to OSWR.

7. The expenses for the first year of training are expected to be as follows:

September-December 1987

Tuition and Fees	\$6,100
Books	\$ 200
Travel	\$ 200
Per Diem (not to exceed 3 weeks Boston rate)	\$2,268

January-May 1988

Tuition and Fees	\$6,100
Books	\$ 200
Travel	\$ 200

June-August 1988

Tuition and Fees	\$4,100
Books	\$ 200
Travel	\$ 200

Total	\$19,768
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The final semester (September - December 1988) plan will be submitted after the required evaluation of the first year of training. Tuition and fees are approximate because exact costs for the 1987-1988 academic year are not yet available.

Attachments:

- A. Letter from school
- B. Form 136
- C. Course outline

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25X1 CONCUR:

for
Deputy Director for Intelligence

19 Mar 87
Date

25X1
Director of Training and Education

32 Apr 87
Date

~~SECRET~~

25X1

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25X1

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(13 March 1987)